

FIG. 1A

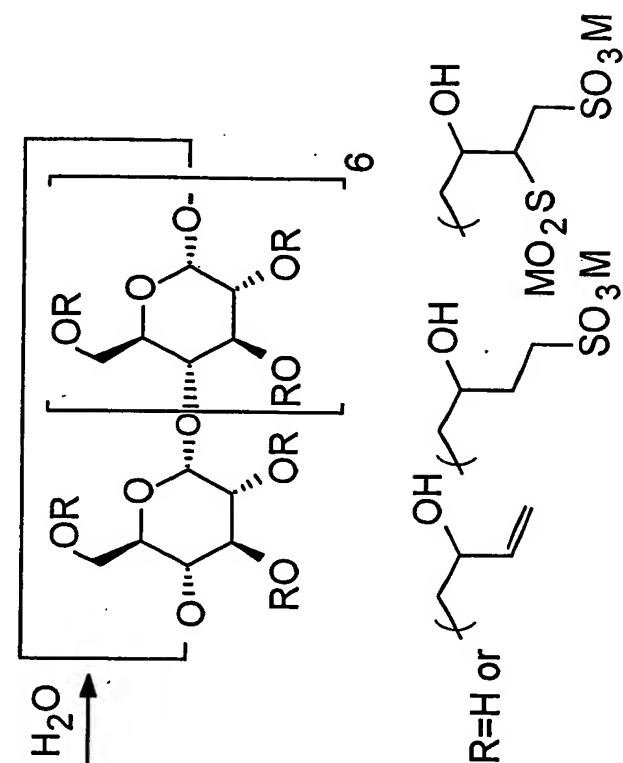
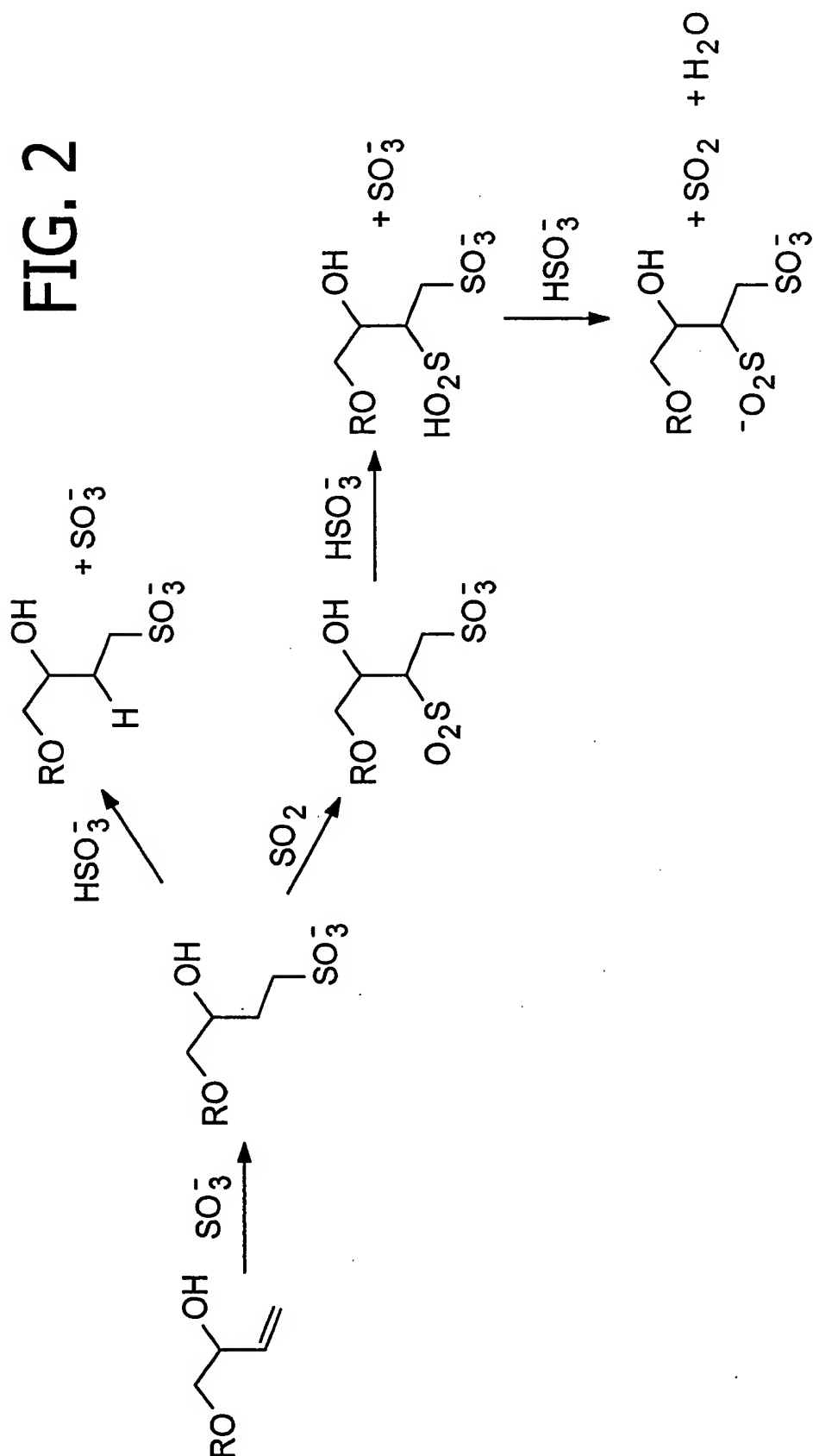


FIG. 1B

For clarity, only the 2-hydroxy isomers are shown.

FIG. 2



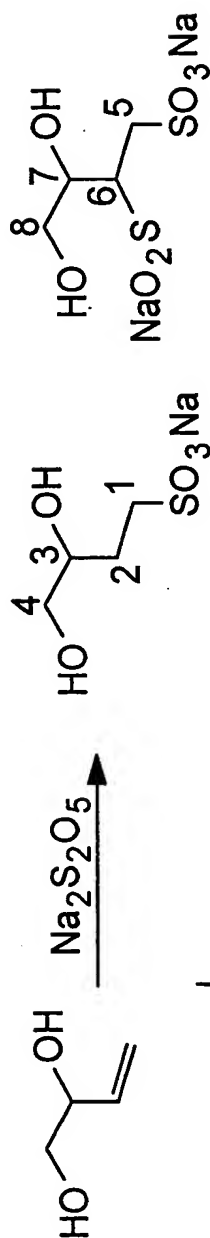


FIG. 3B

Controlled at pH 7.3

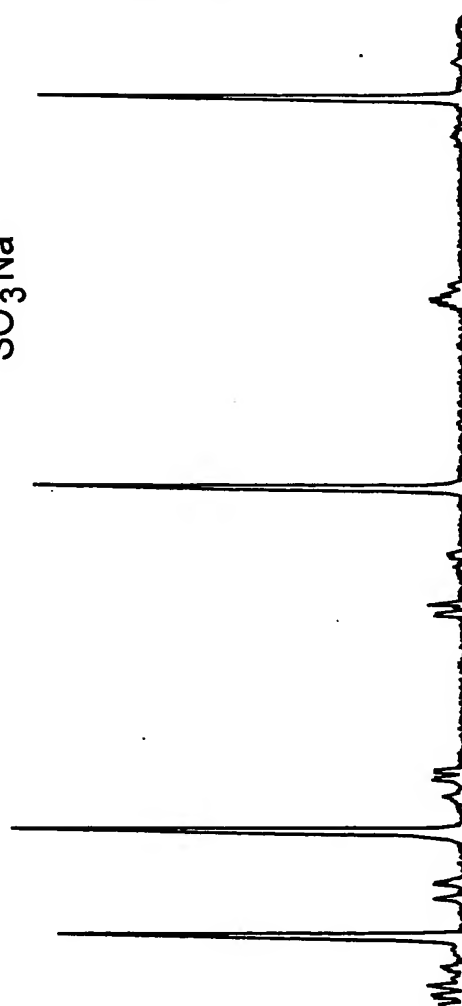


FIG. 3A

Initial pH of 5.0, no pH control

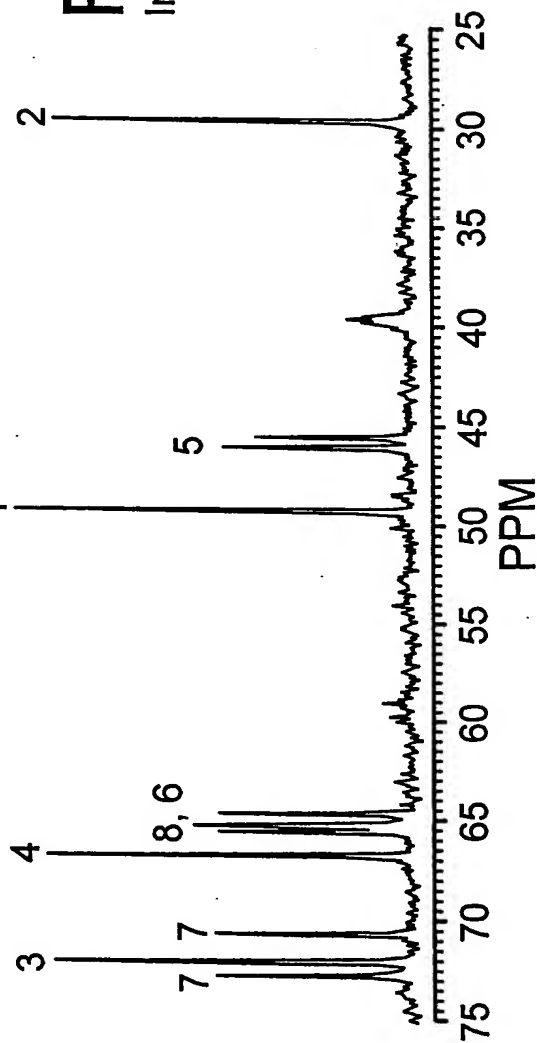
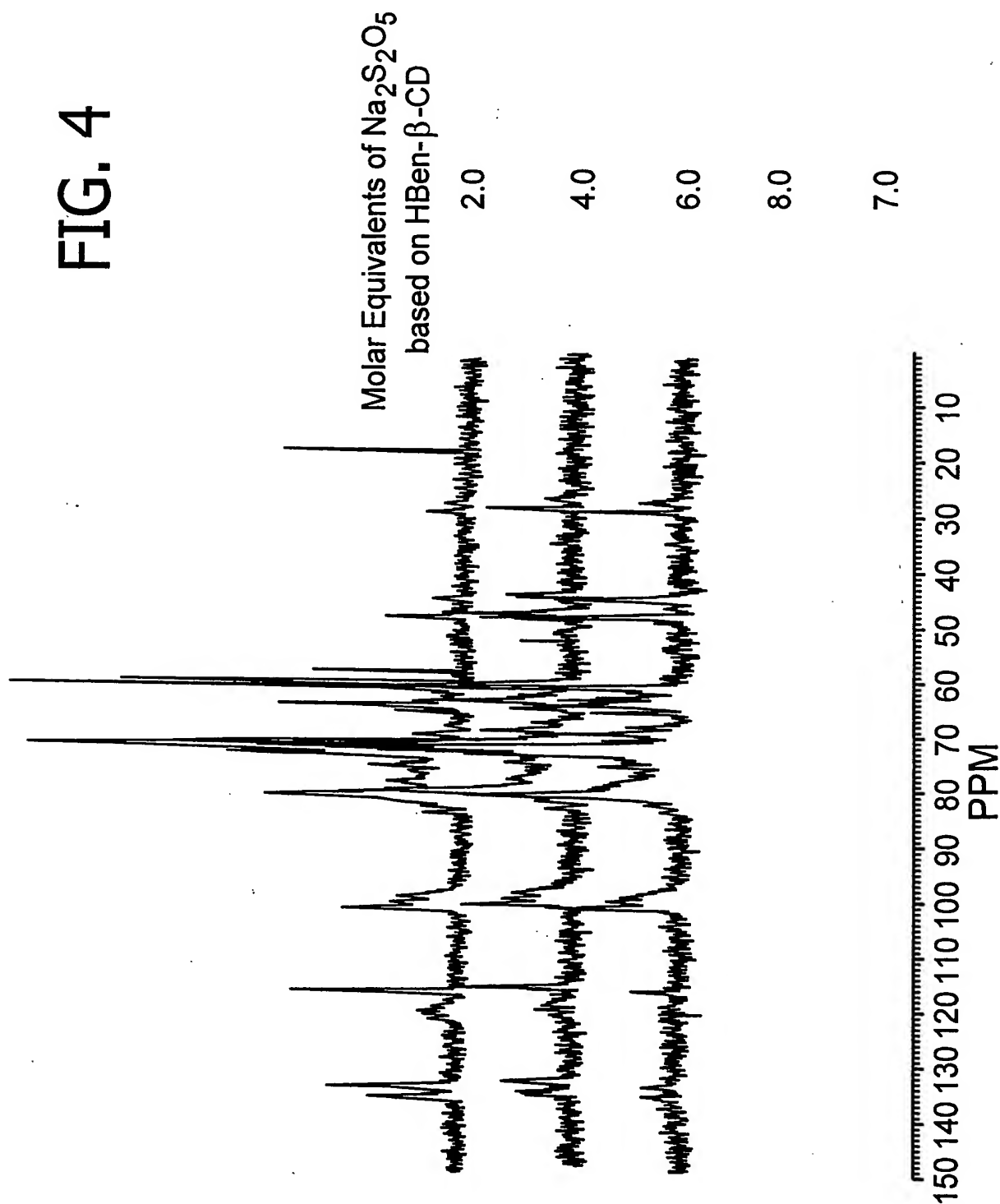


FIG. 4



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TITLE CYCLODEXTRIN SULFONATES, GUEST INCLUSION
COMPLEXES, METHODS OF MAKING THE SAME AND RELATED MATERIALS

INVENTOR(S): CHARLES M. BUCHANAN ET AL.

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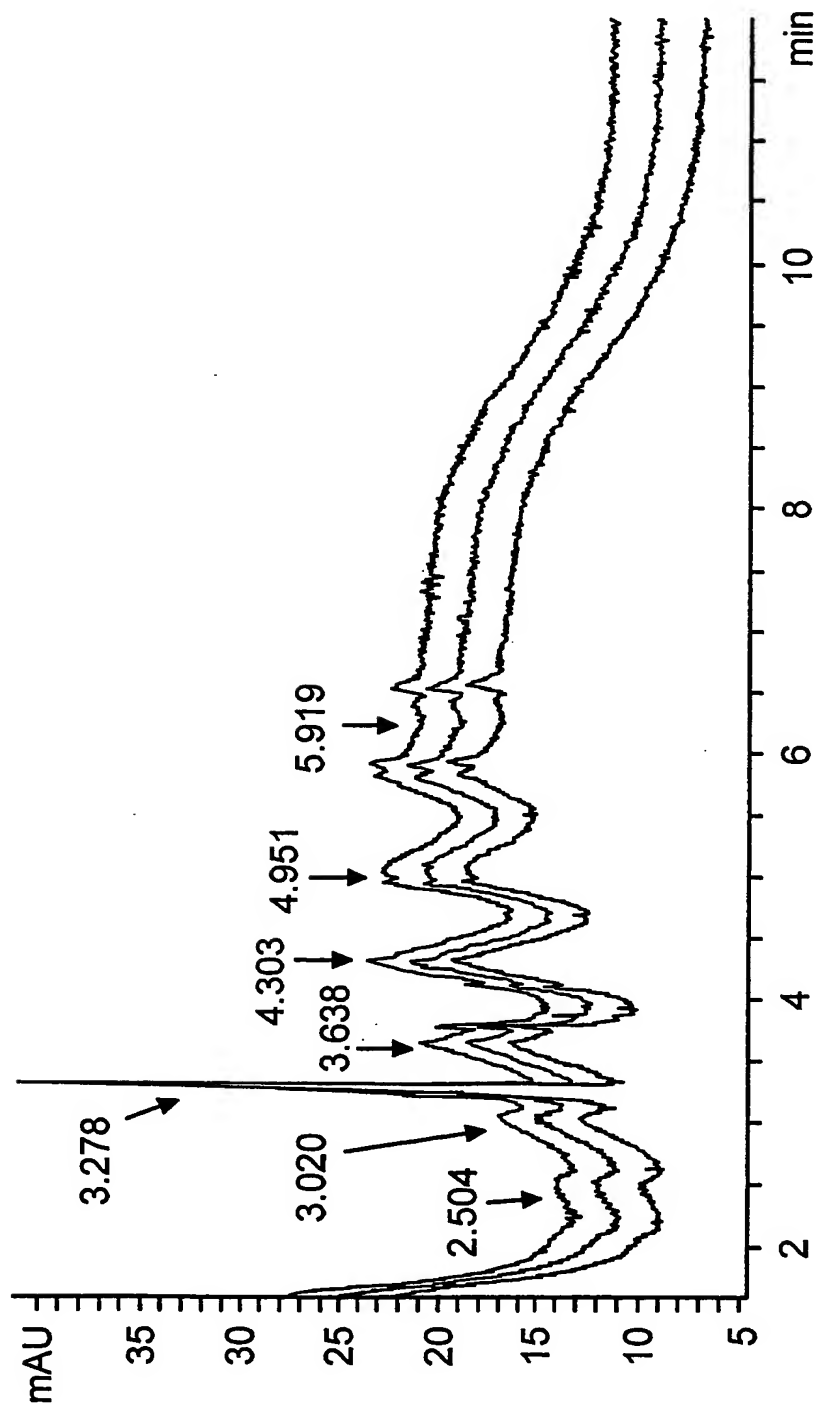
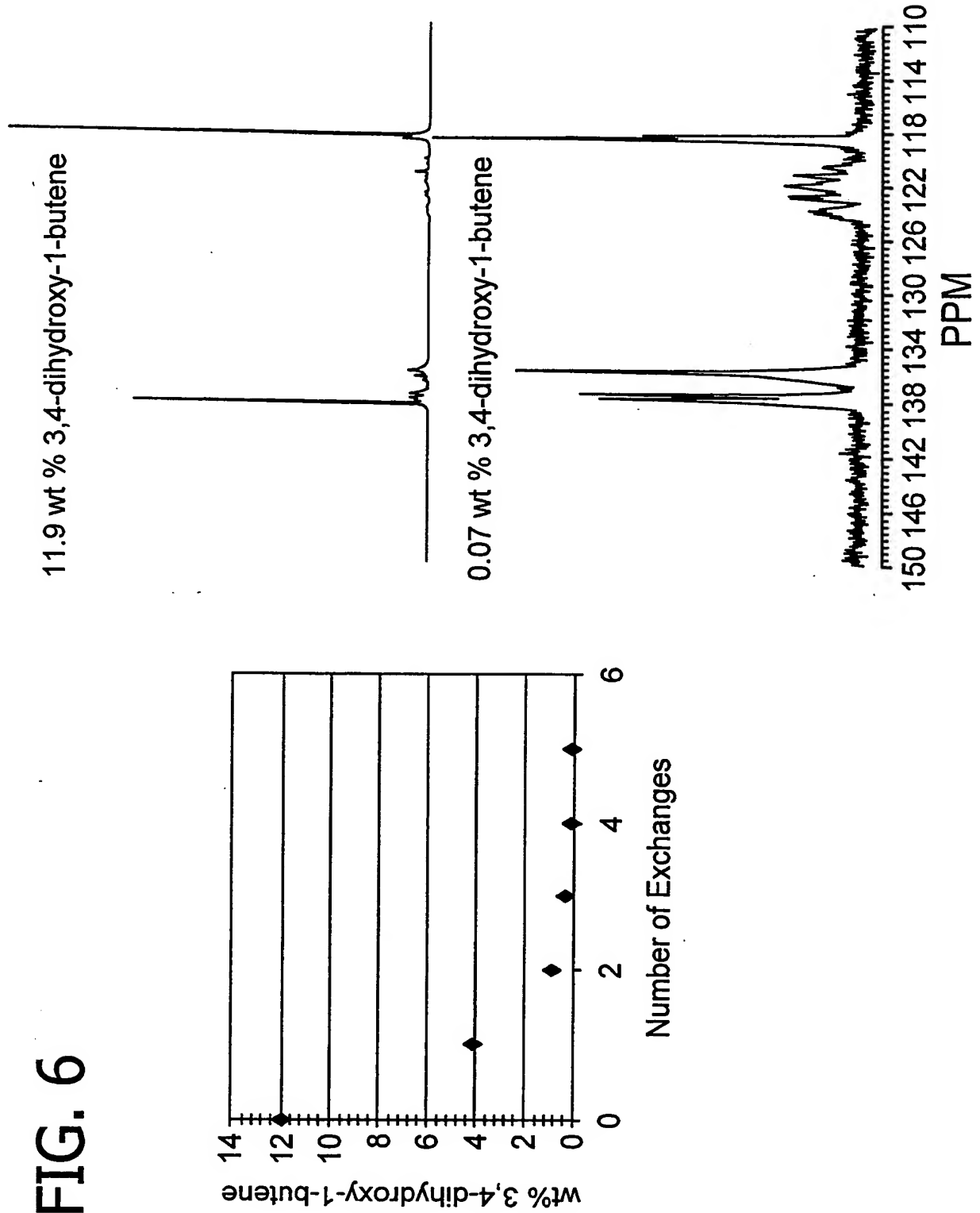


FIG. 5

FIG. 6



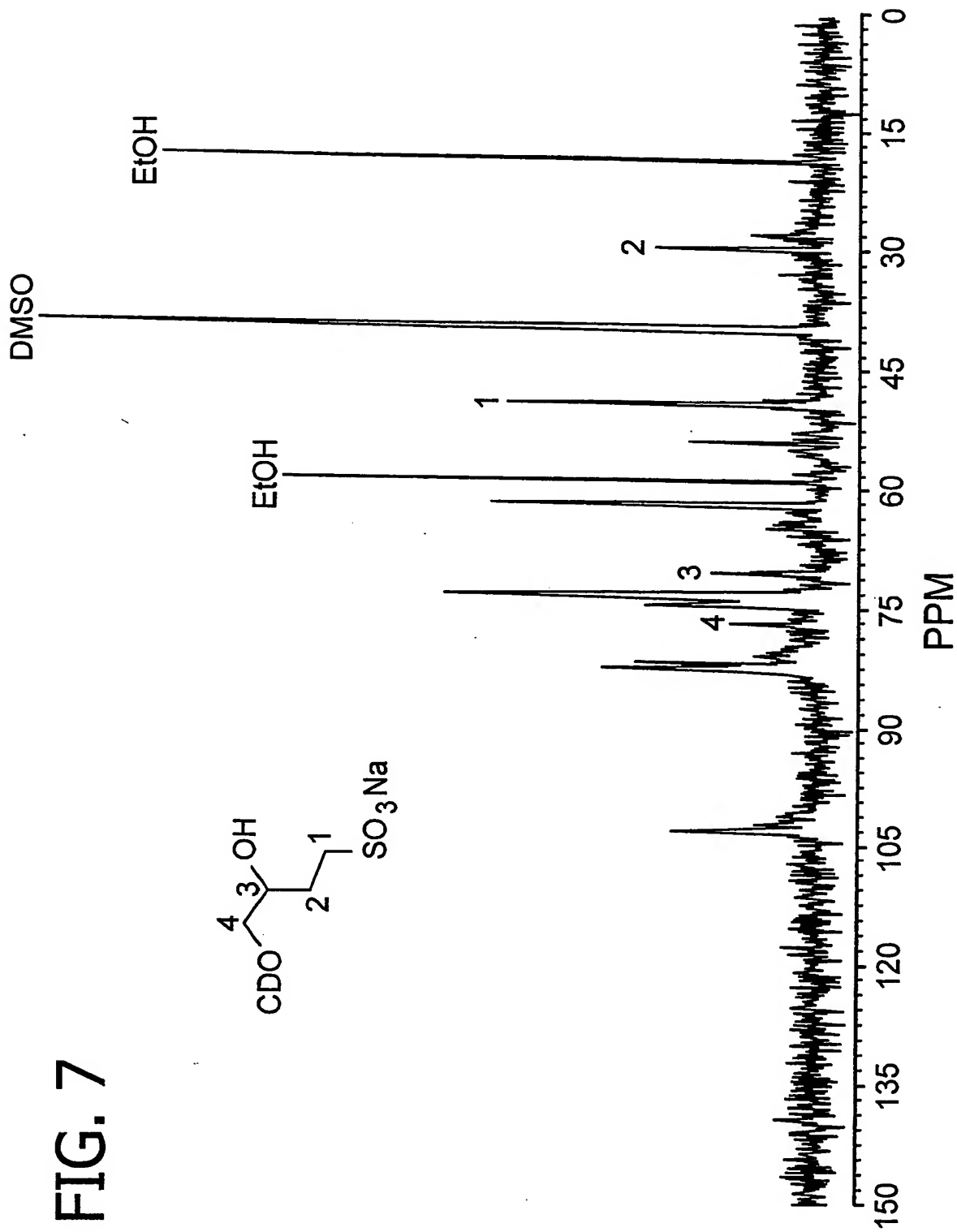


FIG. 8

Chemical structures illustrating the components and reaction conditions for the synthesis of the polymer:

X: A chemical structure consisting of a 2-hydroxypropyl group attached to a vinyl group via a CDO linker.

Y: A chemical structure consisting of a 2-hydroxypropyl group attached to a 3-sulfonatepropyl group via a CDO linker.

Z: A chemical structure consisting of a 2-hydroxypropyl group attached to a 3-sulfonatepropyl group via a CDO linker, with a sodium sulfonate group (SO₃Na) attached to the propyl chain.

Reaction Conditions: The structures are shown reacting under conditions of NaO_2S and SO_3Na .

N=charge state

